

# GILA RIVER BASIN

09482480 BIG WASH AT TUCSON, AZ

LOCATION.--Lat 32°11'10", long 111°00'07", SW <sup>1</sup>/<sub>4</sub>NE <sup>1</sup>/<sub>4</sub> sec.27, T.14 S., R.13 E., Pima County, at Mission Road, 0.6 mi north of State Highway 86, in Tucson.

DRAINAGE AREA.--2.94 mi<sup>2</sup>.

## Annual peak discharge

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1965	07-10-65	1,000	ES	1974	00-00-74	0	
1966	08-12-66	240		1975	00-00-75	0	
1967	07-17-67	50		1976	09-25-76	120	
1968	08-10-68	65		1977	00-00-77	0	
1969	00-00-69	0		1978	10-06-77	380	
1970	07-19-70	<sup>1</sup> 1,070		1979	08-12-79	20	
1971	08-17-71	<sup>2</sup> 3,000		1980	09-07-80	3.0	
1972	07-16-72	285		1981	09-18-81	29	
1973	07-00-73	300	ES				

<sup>1</sup>Highest since 1963.

<sup>2</sup>Highest since 1920.

Magnitude and probability of instantaneous peak flow based on period of record 1965-81

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
63.0	390	887	1,940	3,060	4,460
Weighted skew	(logs) =	-0.62			
Mean	(logs) =	1.69			
Standard dev.	(logs) =	1.05			

† Reliability of values in column is uncertain, and potential errors are large.

## Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
95.2	4.9	2,850	0.0	1.0	11.0	1.9	4.4

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